

Title (en)  
METHOD AND DEVICE FOR DETECTING AN ATTEMPT TO SUBSTITUTE AN ORIGINAL CASING PORTION OF AN ELECTRONIC SYSTEM WITH A REPLACEMENT CASING PORTION

Title (de)  
VERFAHREN UND EINRICHTUNG ZUM DETEKTIEREN EINES VERSUCHS, EINEN ORIGINALGEHÄUSETEIL EINES ELEKTRONISCHEN SYSTEMS MIT EINEM ERSATZGEHÄUSETEIL ZU ERSETZEN

Title (fr)  
PROCEDE ET DISPOSITIF DE DETECTION D'UNE TENTATIVE DE SUBSTITUTION D'UNE PORTION DE BOITIER D'ORIGINE D'UN SYSTEME ELECTRONIQUE PAR UNE PORTION DE BOITIER DE REMPLACEMENT

Publication  
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Application  
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Priority  
• FR 2008050883 W 20080522  
• FR 0755232 A 20070524

Abstract (en)  
[origin: CA2687506A1] The invention relates to an electronic system comprising a casing consist ing of at least first and second casing portions and containing a device for detecting the substitution of the first casing portion. The device comprise s a first integrated circuit intended to be fixed to the first casing portio n and a second integrated circuit intended to be fixed to the second casing portion. The second circuit is adapted to transmit to the first integrated c ircuit successive random or pseudo-random digital signals (R). The first int egrated circuit is adapted to return to the second integrated circuit, for e ach digital signal, a first encrypted signature (S) from said digital signal . The second integrated circuit is adapted to determine a second encrypted s ignature (S') from said digital signal and to detect a substitution of the f irst casing portion if the first and second encrypted signatures are differe nt.

IPC 8 full level  
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**G06F 21/55** (2013.01 - EP US); **G06F 21/86** (2013.01 - EP US); **G06Q 20/341** (2013.01 - EP US); **G07F 7/082** (2013.01 - EP US); **G07F 7/1008** (2013.01 - EP US); **H04L 9/0897** (2013.01 - EP US); **H04L 9/3271** (2013.01 - EP US); **H05K 5/0208** (2013.01 - EP US); **G06F 2221/2129** (2013.01 - EP US)

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